

Title (en)  
VALVE ASSEMBLY

Publication  
**EP 0088508 B1 19870603 (EN)**

Application  
**EP 83300463 A 19830128**

Priority  
US 34566082 A 19820204

Abstract (en)  
[origin: EP0181659A1] A water-type valve for securing to a flange fitting comprises a valve body (20) having a flowway therethrough, connection formations (52) integrally adjoining the valve body, a valve element (34) mounted in the flowway, and an annular valve seat (25) which lines the flowway for sealing engagement with the valve element. A seat retainer (30) axially abuts the valve seat and one end of the valve body to locate the valve seat, and seat retainer mounting means (70,71) adjoining the valve body and extending outwardly therefrom, axially overlap the seat retainer. First connectors (54,74,77) cooperate between the connection formations and the seat retainer mounting means to connect the mounting means to the valve body and thereby mount the seat retainer to the valve body, whilst second connectors connect the valve assembly to the flange fitting.

IPC 1-7  
**F16K 27/02**

IPC 8 full level  
**F16K 1/226** (2006.01); **F16K 1/22** (2006.01); **F16K 27/02** (2006.01)

CPC (source: EP KR US)  
**F16K 1/22** (2013.01 - KR); **F16K 27/0218** (2013.01 - EP US); **Y10T 137/6048** (2015.04 - EP US); **Y10T 137/7504** (2015.04 - EP US)

Cited by  
DE19733544A1; DE4322218C1; DE3930779A1; DE10064976A1; FR2605380A1; US6293518B1

Designated contracting state (EPC)  
AT BE DE FR GB IT NL SE

DOCDB simple family (publication)  
**EP 0181659 A1 19860521**; AR 230689 A1 19840531; AT E27649 T1 19870615; AU 1067983 A 19830811; AU 549695 B2 19860206; BR 8203274 A 19831220; CA 1182094 A 19850205; DE 181659 T1 19870319; DE 3371936 D1 19870709; EP 0088508 A1 19830914; EP 0088508 B1 19870603; ES 286507 U 19860401; ES 286507 Y 19861116; ES 519428 A0 19840601; ES 8404804 A1 19840601; JP S58134281 A 19830810; KR 840003750 A 19840915; KR 880002079 B1 19881014; MX 154906 A 19871229; NO 830285 L 19830805; PH 22161 A 19880601; US 4399833 A 19830823

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**EP 85201678 A 19830128**; AR 28894182 A 19820330; AT 83300463 T 19830128; AU 1067983 A 19830121; BR 8203274 A 19820603; CA 420225 A 19830125; DE 3371936 T 19830128; DE 85201678 T 19830128; EP 83300463 A 19830128; ES 286507 U 19840307; ES 519428 A 19830131; JP 1303483 A 19830131; KR 830000374 A 19830201; MX 19611683 A 19830201; NO 830285 A 19830128; PH 28434 A 19830127; US 34566082 A 19820204